

Spotlights

# TAYO Micro (Indoor) Fixture Guide

# KKDÖ

Indoor | Surface | Output up to 3.25lm/module

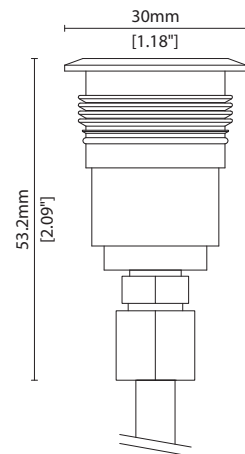


## Key applications

- ✓ Bathrooms
- ✓ Cabinet/Furniture
- ✓ Display case
- ✓ Downlighting
- ✓ Interior
- ✓ Orientation lighting
- ✓ Under cabinet

## Key features

- ✓ Direct view
- ✓ Diffusion: Spotting
- ✓ In-ground walkover
- ✓ IP44



Cut out:  
Ø25mm [0.98\"/>



# TAYO Micro (Indoor)

## Specification sheet



|                       |  |
|-----------------------|--|
| <b>Dimensions</b>     | H53.2/Ø30mm (H2.09/Ø1.18in)  |
| <b>PCB Cut-point</b>  | -  |
| <b>LED Pitch</b>      | -  |
| <b>Chip</b>           | <b>Citizen</b>   |
| <b>Cover/Optics</b>   | Diffused (112°)  |
| <b>CCT</b>            | <b>s-line:</b> 2700K/3000K/3500K/4000K/5000K<br>Single colours: Red/Green/Blue   |
| <b>LED binning</b>    | <b>s-line:</b> 3-step MacAdam ellipse  |
| <b>CRI</b>            | ≥ 80   |
| <b>Lifetime</b>       | 50,000 hours @ 25°C (50,000 hours @ 77°F)  |
| <b>Operating temp</b> | T <sub>a</sub> = -25 to 60°C (T <sub>c</sub> max = 65°C)<br>T <sub>a</sub> = -25 to 140°F (T <sub>c</sub> max = 149°F) |
| <b>IP Rating</b>      | IP44   |
| <b>Finish</b>         | Silver anodised  |
| <b>Mounting</b>       | Surface mounting via concealed clips   |
| <b>Power feed</b>     | Single sheathed hardwire tail  |
| <b>Control</b>        | 0-10V/1-10V/DMX/DALI   |



### LED Grading Key

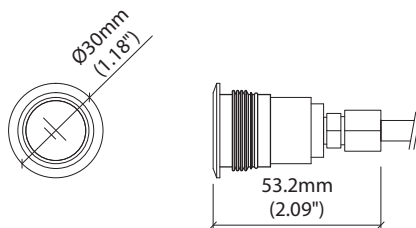
#### Exclusive Grade

**s-line\***  
3-step CCT range

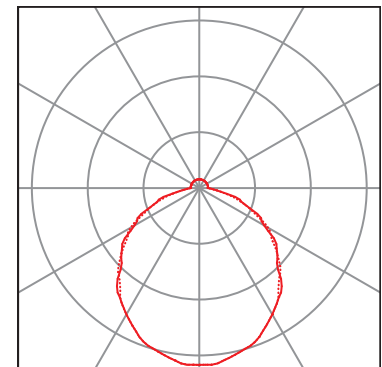
\*KKDC tuned  
CCT range

| Power consumption | Supply voltage | Supply current |
|-------------------|----------------|----------------|
| 0.14W             | 12V DC         | 0.01A          |

| Diffused      |                           | CRI | R9 | Rf | Rg |
|---------------|---------------------------|-----|----|----|----|
| <b>h-line</b> | 3.25lm/module<br>22.6lm/W | 80  | 30 | -  | -  |



Cut out: Ø25mm (0.98")



— C0 / C180      cd / 1000 lm      - - - C90 / C270

Data derived from independent UKAS/IESNA LM-79-08 accredited testing of production samples.

See KKDC website for product document updates.

[www.kkdc.lighting](http://www.kkdc.lighting)

TAYOMicroIndoorS-03.02EN-20231207



# TAYO Micro (Indoor)

## Code Table



### FIXTURE

| Model             | Finish | Cover           | Grade <sup>1</sup> | LED      | Colour (CCT) | IP         | Cable Length | Power Feed   | Input   |                    |                           |      |          |
|-------------------|--------|-----------------|--------------------|----------|--------------|------------|--------------|--|---------|--------------------|---------------------------|------|----------|
| TAYO Micro Indoor | TR     | Silver Anodised | SA                 | Diffused | C            | <b>s</b> s | 106          | 2700K 27<br>3000K 30<br>3500K 35<br>4000K 40<br>5000K 50<br>RED RED<br>GREEN GRN<br>BLUE BLU | IP44 44 | 1000mm/39.37" 1000 | Single ø6.3mm sheath tail | S00B | DC 12V f |

<sup>1</sup> Refer to LED Grading Key on Specification sheet page

### Code Example:

|                   |                 |          |          |            |       |      |               |                           |        |    |   |    |   |      |   |      |   |   |
|-------------------|-----------------|----------|----------|------------|-------|------|---------------|---------------------------|--------|----|---|----|---|------|---|------|---|---|
| TR                | -               | SA       | -        | C          | -     | s    | -             | 106                       | -      | 30 | - | 44 | - | 1000 | - | S00B | - | f |
| TAYO Micro Indoor | Silver Anodised | Diffused | <b>s</b> | TAYO Micro | 3000K | IP44 | 1000mm/39.37" | Single ø6.3mm sheath tail | DC 12V |    |   |    |   |      |   |      |   |   |

### ACCESSORIES

#### PSU/Driver

0-10V/1-10V/DALI/DMX

\* Refer to Driver/PSU Options page for details or provide requirement and KKDC to offer the suitable option

### LED ENGINE VARIANTS (LED STRIP TYPE)

| Luminaire                | LED        | Lumen/m (ft)       | W           | Spec Doc                   | Dimension                          |
|--------------------------|------------|--------------------|-------------|----------------------------|------------------------------------|
| TAYO Micro Outdoor       | 106        | 2.19/module        | 0.14        | TAYO Micro (Outdoor)       | H63.9/Ø30mm (H2.52/Ø1.18in)        |
| <b>TAYO Micro Indoor</b> | <b>106</b> | <b>3.25/module</b> | <b>0.14</b> | <b>TAYO Micro (Indoor)</b> | <b>H57.7/Ø30mm (H2.27/Ø1.18in)</b> |

\* Performance data: s-line, diffused lens, 3000K

## KKDC CONTROL



IP20  
Plastic housing  
L170/W59/H29mm  
(L6.69/W2.32/H1.14in)

### KKDM-06 1-10V

visDIM dimmable sub-controller (4 x 8A max @ 12-36V)



IP20  
Plastic housing  
L170/W53.4/H28mm  
(L6.69/W2.10/H1.10in)

### KKSC-05 DMX

visDIM dimmable sub-controller (4 x 5A max @ 12-36V)



IP20  
Plastic housing  
L170/W59/H29mm  
(L6.69/W2.32/H1.14in)

### KKDL-02 DALI

visDIM dimmable sub-controller (4 x 8A max @ 12-36V)



IP20  
Plastic housing  
L166/W53.4/H23mm  
(L6.54/W2.10/H0.91in)

### KKDL-03 DALI

visDIM dimmable sub-controller (4 x 5A max @ 12-36V)

### AVAILABLE PSU OPTIONS

| Control Mode  | PSU (Order Code) | Input Voltage AC | Output Voltage DC | Rated Output Current | Rated Power | Dim %             | IP Rating |
|---------------|------------------|------------------|-------------------|----------------------|-------------|-------------------|-----------|
| Switched      | CEN-60-12        | 90-295V          | 12V               | 5.0A                 | 60W         | -                 | IP67      |
|               | HLG-80H-12       | 90-305V          | 12V               | 5.0A                 | 60W         | -                 | IP67      |
|               | HLG-120H-12      | 90-305V          | 12V               | 10.0A                | 120W        | -                 | IP67      |
|               | HLG-150H-12      | 90-305V          | 12V               | 12.5A                | 150W        | -                 | IP67      |
|               | HLG-240H-12      | 90-305V          | 12V               | 16.0A                | 192W        | -                 | IP67      |
| 0-10V (1-10V) | PWM-40-12        | 90-305V          | 12V               | 3.34A                | 40W         | 100-0.15 (100-10) | IP67      |
|               | PWM-60-12        | 90-305V          | 12V               | 2.5A                 | 60W         | 100-0.15 (100-10) | IP67      |
|               | PWM-90-12        | 90-305V          | 12V               | 3.67A                | 90W         | 100-0.15 (100-10) | IP67      |
|               | PWM-120-12       | 90-305V          | 12V               | 10.0A                | 120W        | 100-0.15 (100-10) | IP67      |
| DALI          | LIN100A1         | 120-277V         | 12V               | 2.08A per channel    | 100W        | 100-0.1           | IP66/IP40 |
| DMX RGB       | LIN100A1         | 120-277V         | 12V               | 2.76A per channel    | 100W        | 100-0.1           | IP66/IP40 |
| DMX RGBW      | LIN100A1         | 120-277A         | 12V               | 2.08A per channel    | 100W        | 100-0.1           | IP66/IP40 |

### Flicker Free Options - Combination of PSU+ sub-controller

| Control Mode   | PSU (Order Code) | Sub-controller (Order Code) | Input Voltage AC | Output Voltage DC | Rated Output Current | Rated Power | Dim %   | IP Rating PSU/ Sub-controller |
|----------------|------------------|-----------------------------|------------------|-------------------|----------------------|-------------|---------|-------------------------------|
| 0-10V or 1-10V | HLG-80H-12       | KKDM-06                     | 90-305V          | 12V               | 5.0A                 | 60W         | 100-0.9 | IP67/IP20                     |
|                | HLG-120H-12      | KKDM-06                     | 90-305V          | 12V               | 10.0A                | 120W        | 100-0.9 | IP67/IP20                     |
|                | HLG-150H-12      | KKDM-06                     | 90-305V          | 12V               | 12.5A                | 150W        | 100-0.9 | IP67/IP20                     |
|                | HLG-240H-12      | KKDM-06                     | 90-305V          | 12V               | 16.0A                | 192W        | 100-0.9 | IP67/IP20                     |
| DALI           | CEN-60-12        | KKDL-02/03                  | 90-295V          | 12V               | 2.5A                 | 60W         | 100-0.1 | IP67/IP20                     |
|                | HLG-80H-12       | KKDL-02/03                  | 90-305V          | 12V               | 2.5A                 | 60W         | 100-0.1 | IP67/IP20                     |
|                | HLG-120H-12      | KKDL-02/03                  | 90-305V          | 12V               | 10.0A                | 120W        | 100-0.1 | IP67/IP20                     |
|                | HLG-150H-12      | KKDL-02/03                  | 90-305V          | 12V               | 12.5A                | 150W        | 100-0.1 | IP67/IP20                     |
|                | HLG-240H-12      | KKDL-02/03                  | 90-305V          | 12V               | 16.0A                | 192W        | 100-0.1 | IP67/IP20                     |
| DMX RGB        | HLG-80H-12       | KKSC-05                     | 90-295V          | 12V               | 5.0A                 | 60W         | 100-0.9 | IP67/IP20                     |
|                | HLG-120H-12      | KKSC-05                     | 90-295V          | 12V               | 10.0A                | 120W        | 100-0.9 | IP67/IP20                     |
|                | HLG-150H-12      | KKSC-05                     | 90-305V          | 12V               | 12.5A                | 150W        | 100-0.9 | IP67/IP20                     |
|                | HLG-240H-12      | KKSC-05                     | 90-305V          | 12V               | 16.0A                | 192W        | 100-0.9 | IP67/IP20                     |

<sup>1</sup> The items shown above cover the most frequently used specification but does not exhaust the possible options

<sup>2</sup> PSU and/or driver can be chosen from the table, or KKDC may recommend the best option upon receipt of the controls requirement and installation environment

<sup>3</sup> Electrical shop drawing will include detailed information of PSU and relevant control drivers

<sup>4</sup> Cut sheets are available on the controls section of [www.kkdc.lighting](http://www.kkdc.lighting) or upon request